

INSIDE - OUTSIDE STATION WIRE

TIEV-CC

GENERAL

This specification covers the requirements of inside-outside station wire used for direct connection from the outside protector to the subscriber's set by The Telephone Organization of Thailand (TOT).



CONSTRUCTION :





Conductor : Solid annealed bare copper wire, 0.50,0.65 and 0.90 mm. (24,22,19 AWG) in size.

Insulation : Color coded solid high density polyethylene.

Twisted Pairs : The insulated conductors are twisted into pairs triple or quad. The four conductors of the quad shall be twisted into a " Spiral configuration with the red and green conductors diagonally four " opposite each other in the quad.

Identification of conductors :

No. Of cores nominall	Conductor Diameter : 0.5 mm		Conductor Diameter : 0.65 mm		Conductor Diameter : 0.9 mm	
	Overall Dia.(mm)	Standard Length	Overall Dia.(mm)	Standard Length	Overall Dia.(mm)	Standard Length
2	3	100	3	100	4	12.1x9.6x24.4
3	3	100	4	100	5	12.6x9.6x24.9
4	3	100	4	100	5	13.4x9.6x25.7
5	4	100	4	100	5	14.7x9.6x27.0
6	4	100	5	100	6	15.8x9.6x28.1

Total Number of Conductor in wire	Construction	Lay up	Colour of Insulation
2	Pair	R  G	Red and Green
3	Triple	R  G	Red, Green and Yellow
4	Quad	R  Y B  G	Red, Green, Yellow and Black

ELECTRICAL CHARACTERISTIC : TIEV-CC

Conductor Diameter mm. (AWG)	0.50 (24)	0.65 (22)	0.90 (19)
1. Conductor resistance at temp. 20 °C, Max.Ohm/km.	90.2	57.1	28.5
2. Insulation Resistance, Megohm-km Minimum At Temp. 25 °C With DC. Potential of 100-500 Volts.	16,000	16,000	16,000
3. High Voltage Test (Cond. to Cond.) DC. for 3 sec.,Volts. (kv.)	3.0	3.6	4.5